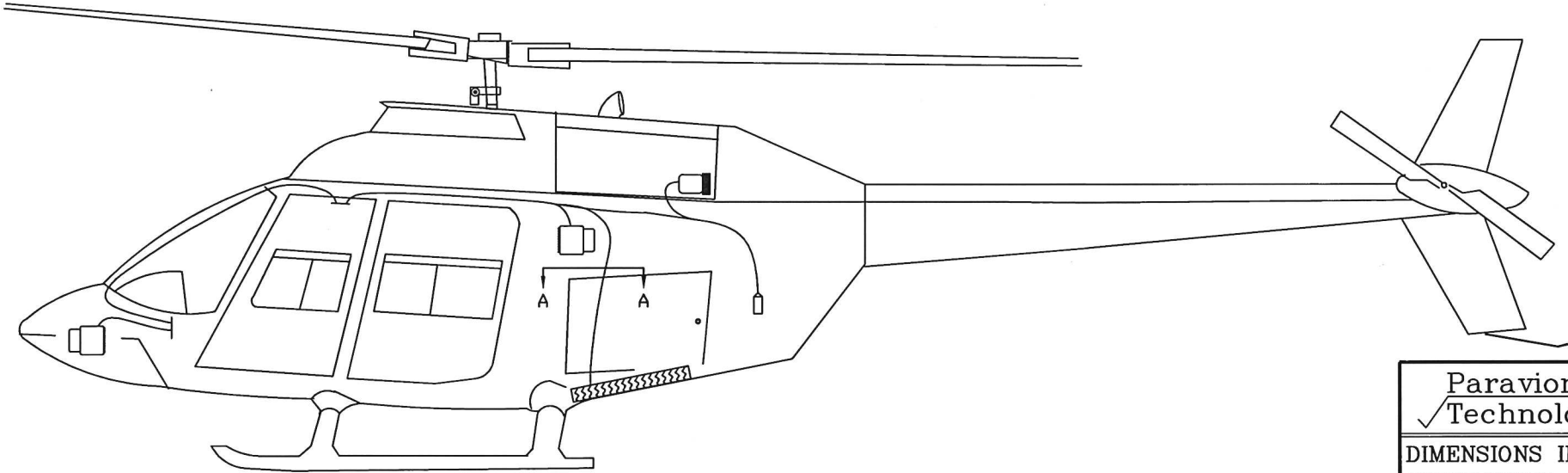


- NOTES:
- 1. ALL WIRES TO BE BUNDLED WITH EXISTING WIRE BUNDLES.
  - 2. CRIMP TERMINALS PER BHT-ELEC-SPM CHAPTER 5-3 §4-7 THRU 4-9.
  - 3. ALL WIRES TO BE RESTRAINED IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 6 AND AC 43.13 CHAPTER 11.
  - 4. INSTALL TERMINALS IN ACCORDANCE WITH BHT-ELEC-SPM, CHAPTER 4.
  - 5. PROVIDE DRIP LOOP IN ACCORDANCE WITH BHT-ELEC-SPM, CHAPTER 6, FIGURE 6-11.
  - 6. CRIMP PER AMP INC. DOC. #1S9252 PARA. 3,4 OR MANUFACTURER'S INSTRUCTIONS.
  - 7. FOLLOW SURFACE PREPARATION AND FINISHING PROCEDURES IN BHT-ELEC-SPM CHAPTER 8 FOR ALUMINUM SURFACES. ALL ELECTRICAL BONDING AND GROUNDING TO BE DONE IN ACCORDANCE WITH BHT-ELEC-SPM CHAPTER 8-26, TABLE 2 CLASS S. 1000 MILLIOHMS OR LESS.

COMPASS UNRELIABLE  
DURING  
AIR CONDITIONER  
OPERATION

④ PLACARD  
TO BE INSTALLED ON OR NEAR MAGNETIC COMPASS



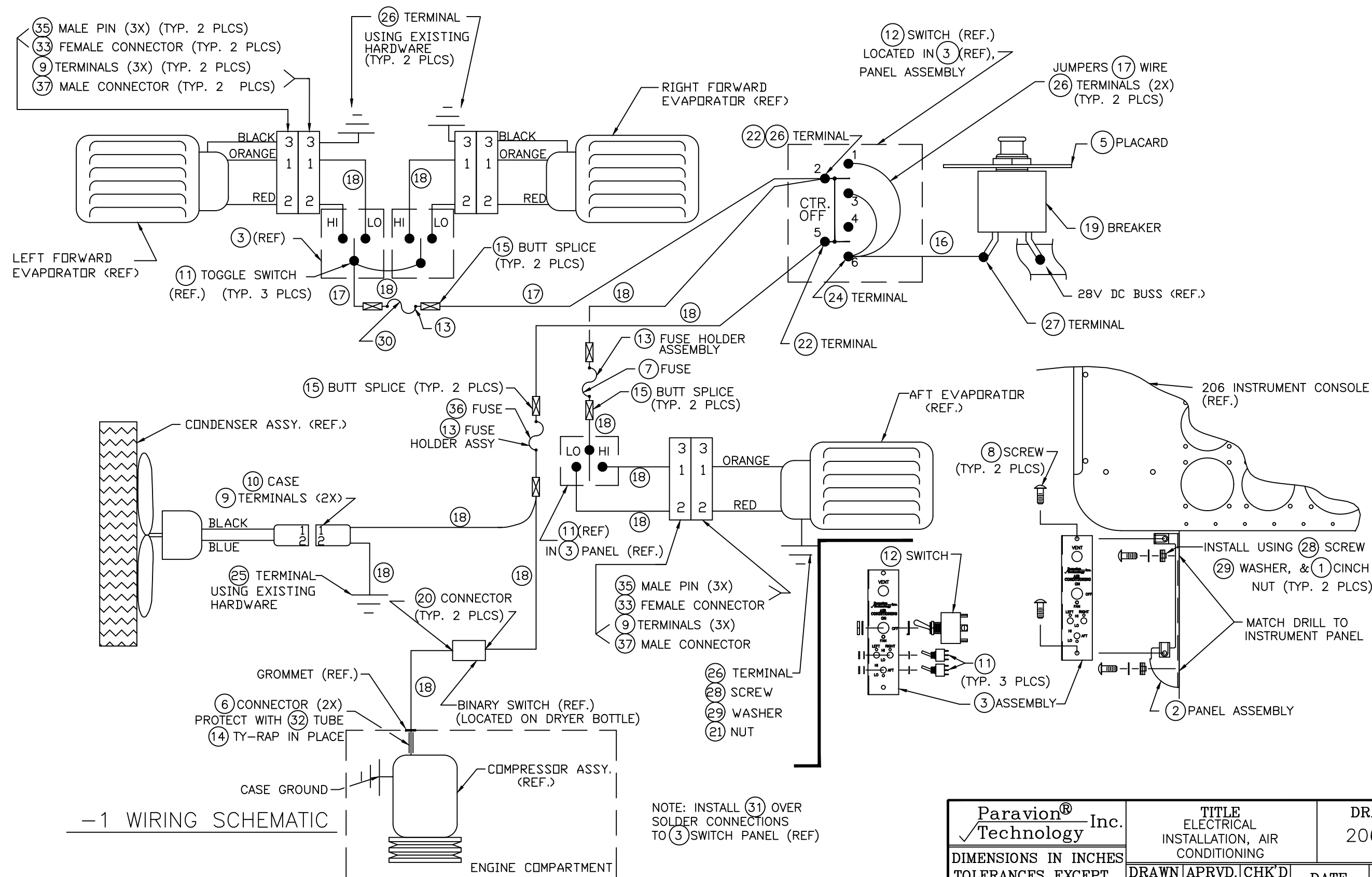
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SHEET	REV	ECO	DATE	DESCRIPTION	BY	CHK	APR
1, 2	A		07/11/94	ES50272 WAS KTN 24 (2X)	REB	REB	REB
1, 2	B		07/15/94	MS14105-35 WAS MS26574-35	REB	REB	REB
1, 2	C		08/30/94	AWG12 WAS 10, AWG16 WAS 12, AWG18 WAS 14, AWG 18 WAS 16, 5B071-4 WAS 5C072-4, 6BB442 WAS 5C149	REB	REB	REB
1, 2	D		07/11/95	REVISED TO INCORPORATE A/C ON-OFF-FAN ON	REB	REB	REB
1, 2	E		04/01/98	REDRAWN, ITEM NUMBERED	REB	REB	REB
1, 2	F		12/18/98	NUMBERED SWITCH TERMINALS	PR	LS	PR
1	G		02/25/02	UPDATED PLACARD ON SHT. 1	GP	LS	GP
1, 2	H		09/25/09	(08/25/03) ITEM 36 WAS ITEM 7, REF. PR-206AC-3, REV C (06/27/07) ITEM 37 WAS INCORRECTLY LABELED AS ITEM 36. (08/29/08) ITEM 8 CALLOUT CORRECTED, WAS AN5258R8 (02/16/09) MOD SCHEMATIC VIEW (12) SWITCH FOR CLARITY	REB	LS	REB
2	I		01/19/15	UPDATE R/L FORWARD EVAPORATOR GROUND CONNECTIONS SHT. 2	PDM	LS	PDM
ALL	J		01/07/20	SHT 1: ADDED NOTES 1-5, ADDED "BY" COLUMN; SHT 2: MOVED EVAP WIRE COLORS TO MOTOR SIDE, SEPARATED MALE/FEMALE EVAP CONNECTORS; BOM ITEM 1 NOW 13100032 OLD PART AS ALT. BOM ITEM #6 NOW 5A446, #14 NOW MS3367-5-0, #16 NOW MIL-W-22759/41-12, #17 NOW MIL-W-22759/41-16, #18 NOW MIL-W-22759/41-18, #31 NOW M23053/5-103-0, AND #36 NOW AGC-15R. OLD PARTS ADDED AS ALT. ITEM #32 P/N CORRECTED FROM VT-4 TO VT4V	DT	LS	ZA
2	J	1	02/24/20	ITEM #23 TERMINAL REPLACED WITH #26 ON #12 SWITCH.	DT	LS	ZA
ALL	K		03/25/20	ITEM #33,35,37 P/N CHANGED FROM ES5024(X-X) TO ES5027(X-X). ITEM #9 REPLACES ITEM #34. ADDED NOTES 6-7, SHT 3 & 4 WITH -2 INSTALLATION & P/N 38-55.	DT	LS	ZA

Paravion® Inc.		TITLE ELECTRICAL INSTALLATION, AIR CONDITIONING		DRAWING NO. 206AC-610	
DIMENSIONS IN INCHES		DRAWN BY		APRVD. BY	
TOLERANCES EXCEPT WHERE NOTED:		RHSM		REB	
.X = ± .1				CHK'D BY	
.XX = ± .05				REB	
.XXX = ± .010				DATE	
ANGLES = ± 1°				11/22/93	
THREADS:				REV	
INTERNAL=CLASS 2B				K	
EXTERNAL=CLASS 2A				ECO	
		DO NOT SCALE DRAWING		SHEET	
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PROTO

N/C



-1 WIRING SCHEMATIC

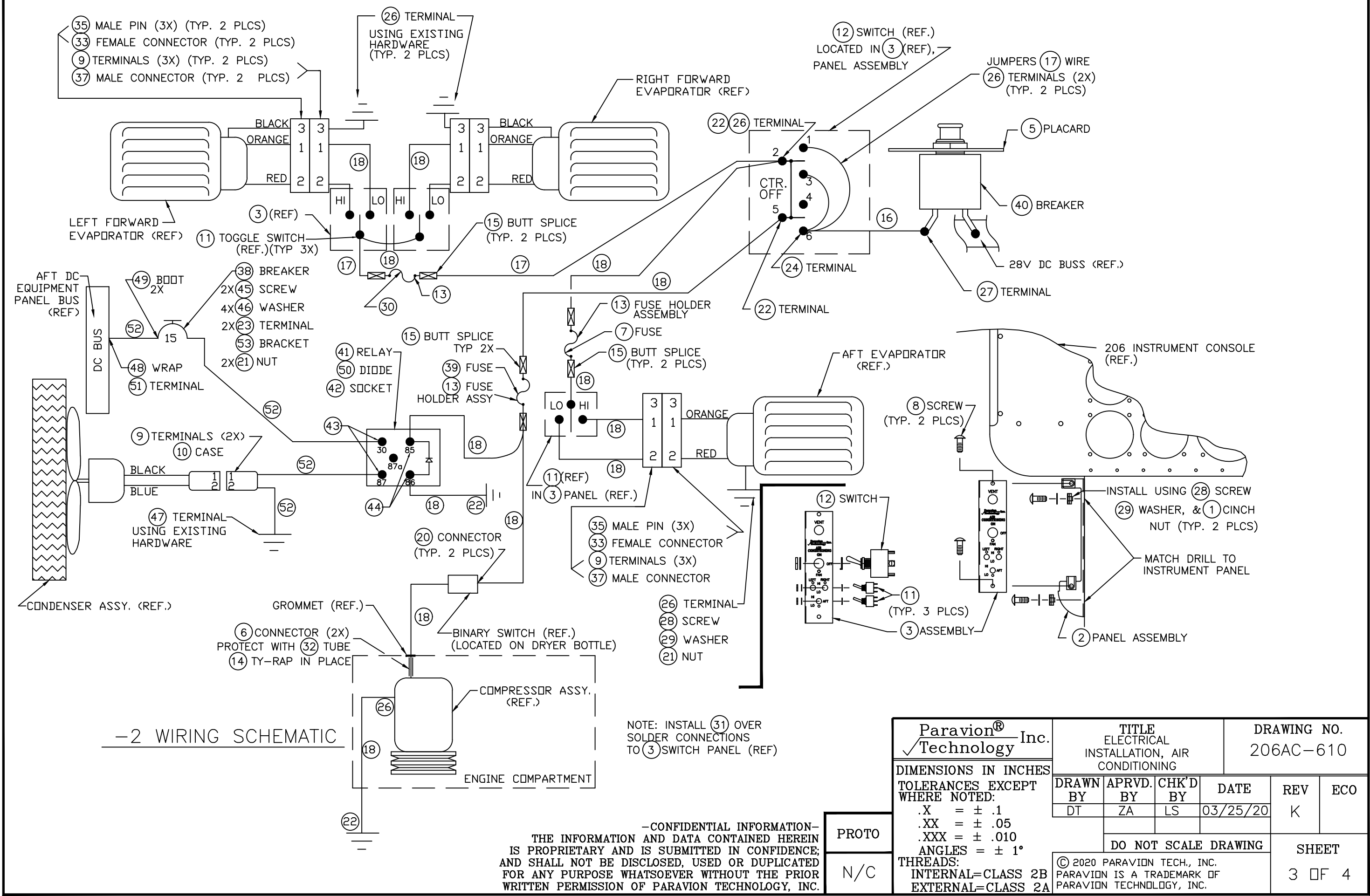
NOTE: INSTALL (31) OVER  
SOLDER CONNECTIONS  
TO (3) SWITCH PANEL (REF.)

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PROTO  
N/C

Paravion® Inc. Technology		TITLE ELECTRICAL INSTALLATION, AIR CONDITIONING		DRAWING NO. 206AC-610		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1° THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A		DRAWN BY RHSM	APRVD. BY REB	CHK'D BY REB	DATE 11/22/93	REV K
		DO NOT SCALE DRAWING				SHEET 2 OF 4
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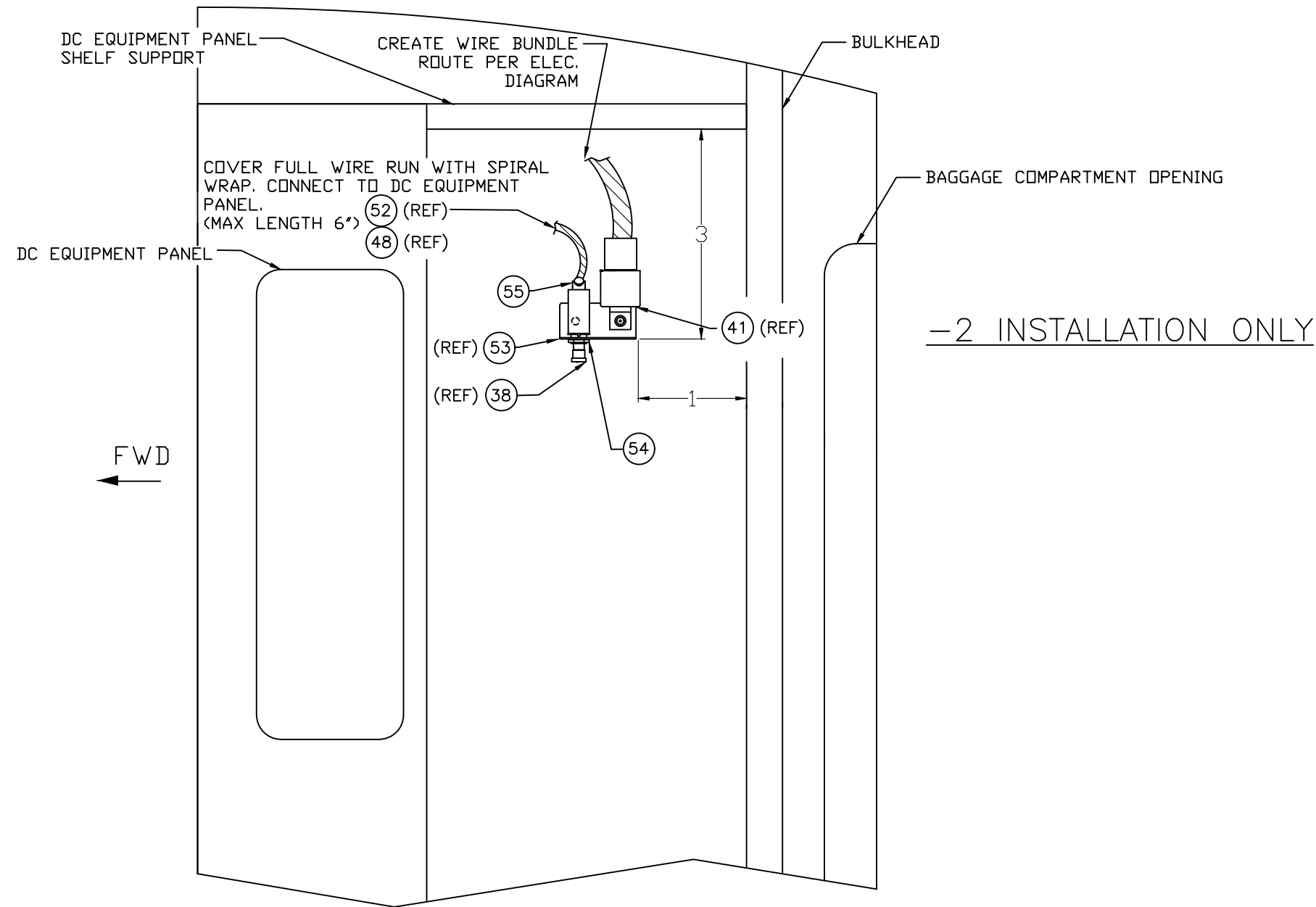
-2 WIRING SCHEMATIC

NOTE: INSTALL (31) OVER SOLDER CONNECTIONS TO (3) SWITCH PANEL (REF.)

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PROTO  
N/C

Paravion® Inc.		TITLE ELECTRICAL INSTALLATION, AIR CONDITIONING		DRAWING NO. 206AC-610		
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED:		DRAWN BY	APRVD. BY	CHK'D BY	DATE	REV
.X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1°		DT	ZA	LS	03/25/20	K
THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A		DO NOT SCALE DRAWING				SHEET 3 OF 4
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VIEW A-A SH 1  
CONDENSER RELAY AND CIRCUIT  
BREAKER SUGGESTED LOCATION

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PROTO  
N/C

Paravion® Technology		TITLE ELECTRICAL INSTALLATION, AIR CONDITIONING		DRAWING NO. 206AC-610	
DIMENSIONS IN INCHES TOLERANCES EXCEPT WHERE NOTED: .X = ± .1 .XX = ± .05 .XXX = ± .010 ANGLES = ± 1° THREADS: INTERNAL=CLASS 2B EXTERNAL=CLASS 2A		DRAWN BY DT	APRVD. BY ZA	CHK'D BY LS	DATE 03/25/20
		DO NOT SCALE DRAWING			REV K
		© 2020 PARAVION TECH., INC. PARAVION IS A TRADEMARK OF PARAVION TECHNOLOGY, INC.			ECO
		SHEET 4 OF 4			

# Bill of Materials

\*206AC-610-1, REV. K

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*206AC-610-1, REV. K	ELECTRICAL INST'N	1	KIT
1	13100032	CLIP NUT (ALT: 1300032)	2	EA.
2	206AC-4502-1	PANEL ASSY.	1	EA.
3	206AC-4502-3	PANEL ASSY.	1	EA.
4	206AC-6120-1	PLACARD	1	EA.
5	206AC-6130-1	PLACARD	1	EA.
6	5A446	CONNECTOR (ALT: KF2218)	2	EA.
7	AGC-10	10A, 0.25 X1.25 FUSE	1	EA.
8	AN525-832R8	SCREW	2	EA.
9	ES50270-1	TERMINAL	11	EA.
10	ES50272-2	CASE	1	EA.
11	ES50520-1	TOGGLE SWITCH	3	EA.
12	ES50530-2	SWITCH	1	EA.
13	ES58110-1	FUSE HOLDER ASSY.	3	EA.
14	MS3367-5-0	TYRAP (ALT: CT6B)	10	EA.
15	M7928/5-4	BUTT SPLICE	6	EA.
16	MIL-W-22759/41-12	AWG 12 WIRE (ALT: MIL-W-22759/16-12)	7	FT.
17	MIL-W-22759/41-16	AWG 16 WIRE (ALT: MIL-W-22759/16-16)	2	FT.
18	MIL-W-22759/41-18	AWG 18 WIRE (ALT: MIL-W-22759/16-18)	102	FT.
19	MS14105-35	BREAKER	1	EA.
20	30713	CONNECTOR (ALT: KTN 24, KTN 50)	2	EA.
21	MS21042L3	NUT	1	EA.
22	MS25036-103	TERMINAL	2	EA.
24	MS25036-112	TERMINAL	1	EA.
25	MS25036-149	TERMINAL	1	EA.
26	MS25036-153	TERMINAL	8	EA.
27	MS25036-156	TERMINAL	1	EA.
28	MS35207-264	SCREW	3	EA.
29	NAS1149F0332P	WASHER	3	EA.
30	SFE-20	20A, 0.25 X 1.25 FUSE	1	EA.
31	M23053/5-103-0	HEAT SHRINK TUBING (ALT: TSP1.5BK)	6	IN.

## Bill of Materials

\*206AC-610-1, REV. K

ITEM #	P/N	DESCRIPTION	QTY	TYP
32	VT4V	TUBE (ALT: MIL-I-7444-1-2-1/4)	3	IN.
33	ES50273-1	FEMALE MOLEX CONNETOR	3	EA.
35	ES50270-2	MALE TERMINAL	9	EA.
36	AGC-15R	15A, 0.25 X 1.25 FUSE (ALT: AGC-15)	1	EA.
37	ES50273-2	MALE MOLEX CONNECTOR	3	EA.

# Bill of Materials

\*206AC-610-2, REV K

ITEM #	P/N	DESCRIPTION	QTY	TYP
0	*206AC-610-2, REV K	ELECTRICAL INST'N	1	KIT
1	13100032	CLIP NUT (ALT: 1300032)	2	EA.
2	206AC-4502-1	PANEL ASSY.	1	EA.
3	206AC-4502-3	PANEL ASSY.	1	EA.
4	206AC-6120-1	PLACARD	1	EA.
5	206AC-6130-1	PLACARD	1	EA.
6	5A446	CONNECTOR (ALT: KF2218)	2	EA.
7	AGC-10	10A, 0.25 X1.25 FUSE	1	EA.
8	AN525-832R8	SCREW	2	EA.
9	ES50270-1	TERMINAL	11	EA.
10	ES50272-2	CASE	1	EA.
11	ES50520-1	TOGGLE SWITCH	3	EA.
12	ES50530-2	SWITCH	1	EA.
13	ES58110-1	FUSE HOLDER ASSY	3	EA.
14	MS3367-5-0	TYRAP (ALT: CT6B)	10	EA.
15	M7928/5-4	BUTT SPLICE	6	EA.
16	MIL-W-22759/41-12	AWG 12 WIRE (ALT: MIL-W-22759/16-12)	7	FT.
17	MIL-W-22759/41-16	AWG 16 WIRE (ALT: MIL-W-22759/16-16)	3	FT.
18	MIL-W-22759/41-18	AWG 18 WIRE (ALT: MIL-W-22759/16-18)	102	FT.
20	30713	CONNECTOR (ALT: KTN 24, KTN 50)	2	EA.
21	MS21042L3	NUT	3	EA.
22	MS25036-103	TERMINAL	4	EA.
23	MS25036-106	TERMINAL	2	EA.
24	MS25036-112	TERMINAL	1	EA.
26	MS25036-153	TERMINAL	9	EA.
27	MS25036-156	TERMINAL	1	EA.
28	MS35207-264	SCREW	3	EA.
29	NAS1149F0332P	WASHER	3	EA.
30	SFE-20	20A, 0.25 X 1.25 FUSE	1	EA.
31	M23053/5-103-0	HEAT SHRINK TUBING (ALT: TSP1.5BK)	6	IN.
32	VT4V	TUBE (ALT: MIL-I-7444-1-2-1/4)	3	IN.

# Bill of Materials

\*206AC-610-2, REV K

ITEM #	P/N	DESCRIPTION	QTY	TYP
33	ES50273-1	FEMALE MOLEX CONNETOR	3	EA.
35	ES50270-2	MALE TERMINAL	9	EA.
37	ES50273-2	MALE MOLEX CONNECTOR	3	EA.
38	ES50184-7	BREAKER, 15A (ALT: 7277-2-15)	1	EA.
39	AGC-3	FUSE, 3A	1	EA.
40	MS14105-25	25 AMP BREAKER	1	EA.
41	ES50186-3	RELAY, 24VDC	1	EA.
42	ES50187-4	RELAY SOCKET	1	EA.
43	ES50187-5	RECEPTACLE	2	EA.
44	ES50187-6	RECEPTACLE	2	EA.
45	MS35207-262	SCREW	2	EA.
46	NAS1149D0332J	WASHER	4	EA.
47	MS25036-108	RING TERMINAL	1	EA.
48	SWT-1/8	SPIRAL WRAP	2	FT.
49	MS25171-1S	BOOT	2	EA.
50	407AC-6118-1	DIODE	1	EA.
51	MS25036-110	RING TERMINAL	1	EA.
52	MIL-W-22759/41-14	AWG 14 WIRE	20	FT.
53	407AC-2500-1	RELAY BRACKET	1	EA.
54	206AC-6130-2	PLACARD	1	EA.
55	M23053/5-109-0	HEAT SHRINK	2	IN.